Call for Papers

IEEE Journal of Radio Frequency Identification

Special Issue on “IEEE DTPI 2023 Conference”

Digital Twins and Parallel Intelligence (DTPI) play a crucial role in the advancement of smart Radio Frequency Identification (RFID) systems. DT technology based on Cyber Physical Systems (CPS) has been used widely to create virtual replicas of RFID systems including all components such as readers, antennas, tags, and network infrastructure, while PI approach based on Cyber Physical Social Systems (CPSS) is increasingly used for modeling and managing systems complexity for virtual-real interactions in smart cities, healthcare, transportation, education, and many other fields. The 3rd IEEE International Conference on Digital Twins and Parallel Intelligence (DTPI 2023) will be held from October 16th, 2023 to November 9th, 2023, using a “Hybrid Distributed Conference” (DHC) format, comprising several types of online and onsite presentations. The onsite opening ceremony will be held in Macau, China, and the onsite closing ceremony will be held in Florida, USA.

DTPI 2023 is hosted by the IEEE Council on RFID and the Chinese Association of Automation, with Monadao as its theme. Monadao enables digital humans to achieve collaborative operation and governance of digital organizations in the form of DAO through smart contracts. DTPI 2023 will bring together an international community of scientific researchers and industrial peers to report and discuss the technological frontier and latest achievements in the field of DTPI. High-quality, original English academic papers are now being solicited for DTPI 2023. And top papers have the opportunity to be recommended to the special issue on “IEEE DTPI 2023 Conference” of IEEE Journal of Radio Frequency Identification.

Topics of interest including but not limited to:

- DTPI-based RFID system design and optimization
- DTPI-based RFID security and privacy
- DTPI-based RFID-enabled IoT systems
- DTPI-based RFID localization and tracking
- DTPI-based RFID sensing and monitoring
- DTPI-based RFID applications in supply chain management
- DTPI-based RFID applications in smart packaging
- DTPI-based RFID applications in healthcare
DTPI-based RFID applications in smart cities
DTPI-based RFID applications in agriculture
DTPI-based RFID applications in human systems

Important Dates

- **Submission Deadline:** August 15, 2023
- **Decision Notification:** September 15, 2023
- **Camera-Ready Deadline:** October 15, 2023

Submission Guidelines:
Authors are requested to electronically submit their original manuscripts through the IEEE Manuscript Central at [https://mc.manuscriptcentral.com/jrfid](https://mc.manuscriptcentral.com/jrfid), according to the format described at [https://www.ieee.org/conferences/publishing/templates.html](https://www.ieee.org/conferences/publishing/templates.html). The manuscript type for this special issue is “IEEE DTPI 2023 Conference”.

Guest Editors

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